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FIG. 1

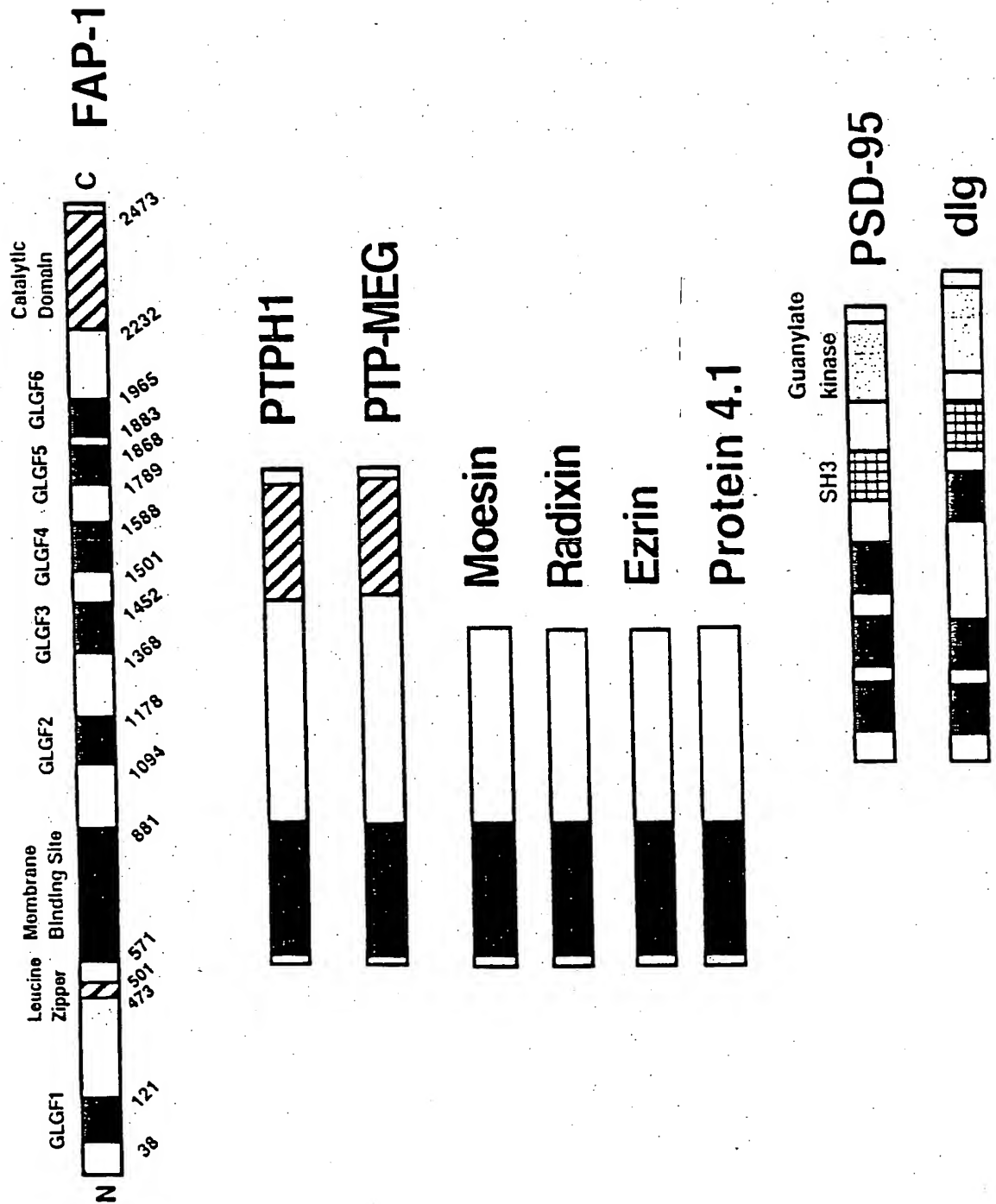


FIG. 2A

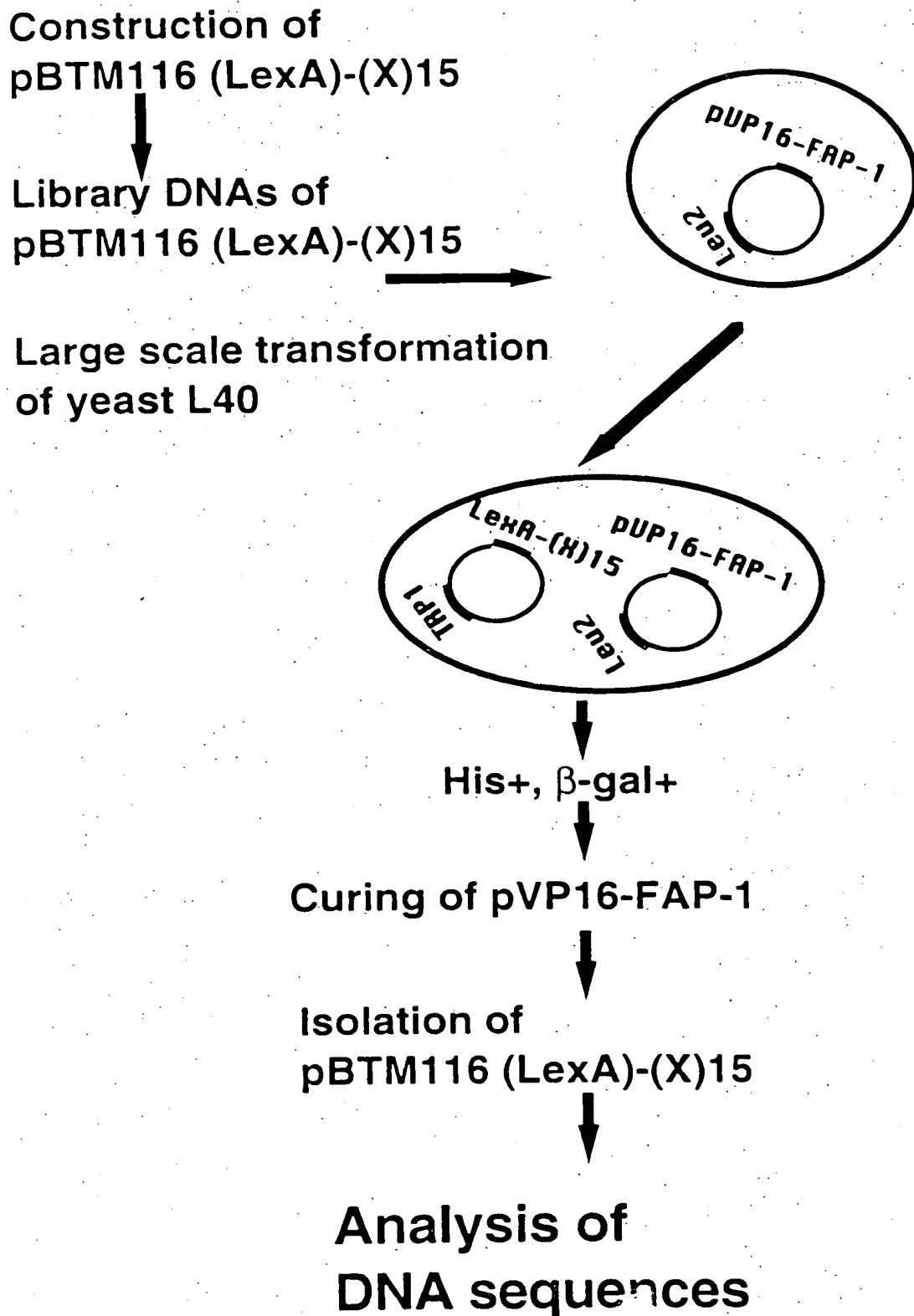


FIG. 2B

Human	D	S	E	N	S	N	F	R	N	E	I	Q	S	L	V
Rat	S	I	S	N	S	R	N	E	N	E	G	Q	S	L	E
Mouse	S	T	P	D	T	G	N	E	N	E	G	Q	C	L	E

FIG. 2C

- - - N S - - - N E - Q S L -

C	Y	A		A	I	G		L						V	12-0
E	N	A		G	V	S		E						V	5-0
W	W	G		A	T	Q		P						V	13-0
E	H	A		Q	Q			Q						V	20-0
N	S	S		F	H	S		L						V	6-2
G	L	R		L	P	P		D						V	9-5
G	S	D		S	G	V		N						V	18-1
K	K			R	P	V		N						V	22-1
I	G	K		D	V	W		A						V	71-1
A	S	R		N	E	E		L						I	14-5

FIG. 2D

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I	P	P	D	S	E	D	G	N	E	E	Q	S	L	V	8-1
D	S	E	M	Y	N	F	R	S	Q	L	A	S	V	V	9-3
I	D	L	A	S	E	F	L	F	L	S	N	S	F	L	14-1
P	P	T	C	S	Q	A	N	S	G	R	I	S	T	L	0-2
S	D	S	N	M	N	M	N	E	L	S	E	V			57-5
Q	N	F	R	T	Y	I	V	S	F	V					72-1
R	E	T	I	E	S	T	V								25-9
R	G	F	I	S	S	L	V								16-13
T	I	Q	S	V	I										6-3
E	S	L	V												18-1

Consensus: t S-X-V/L/I

FIG. 3A

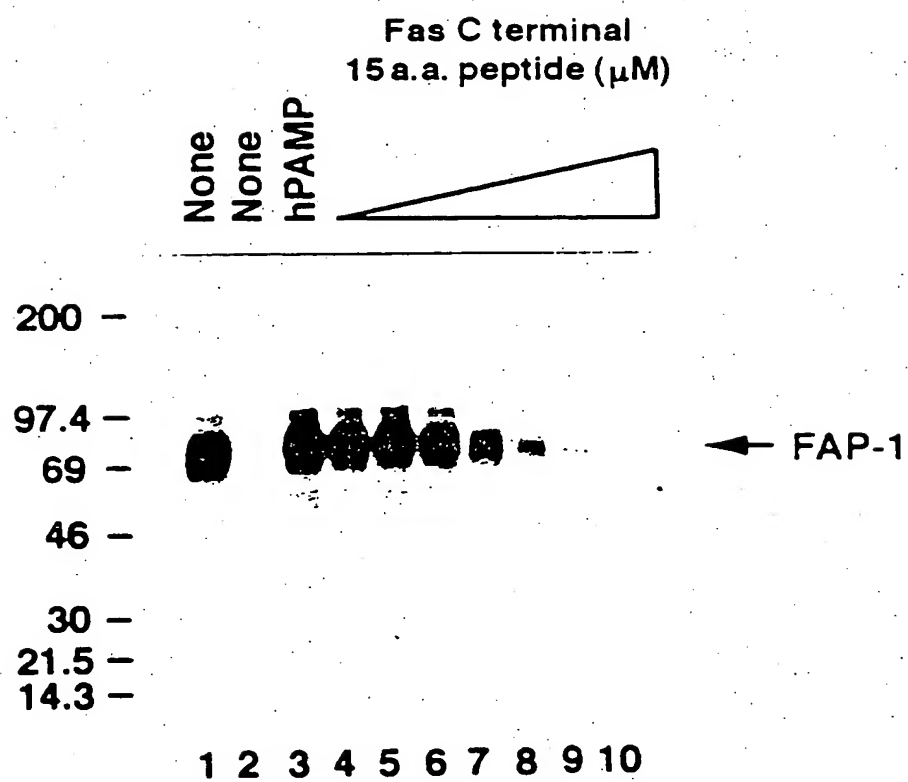


FIG. 3B

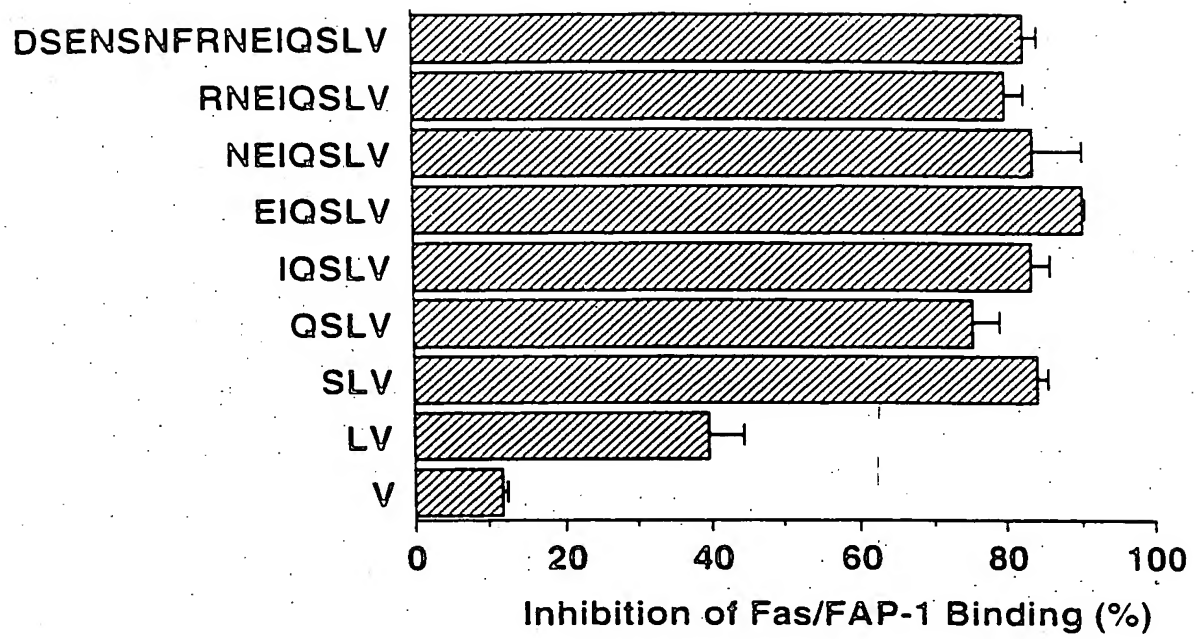




FIG. 4A

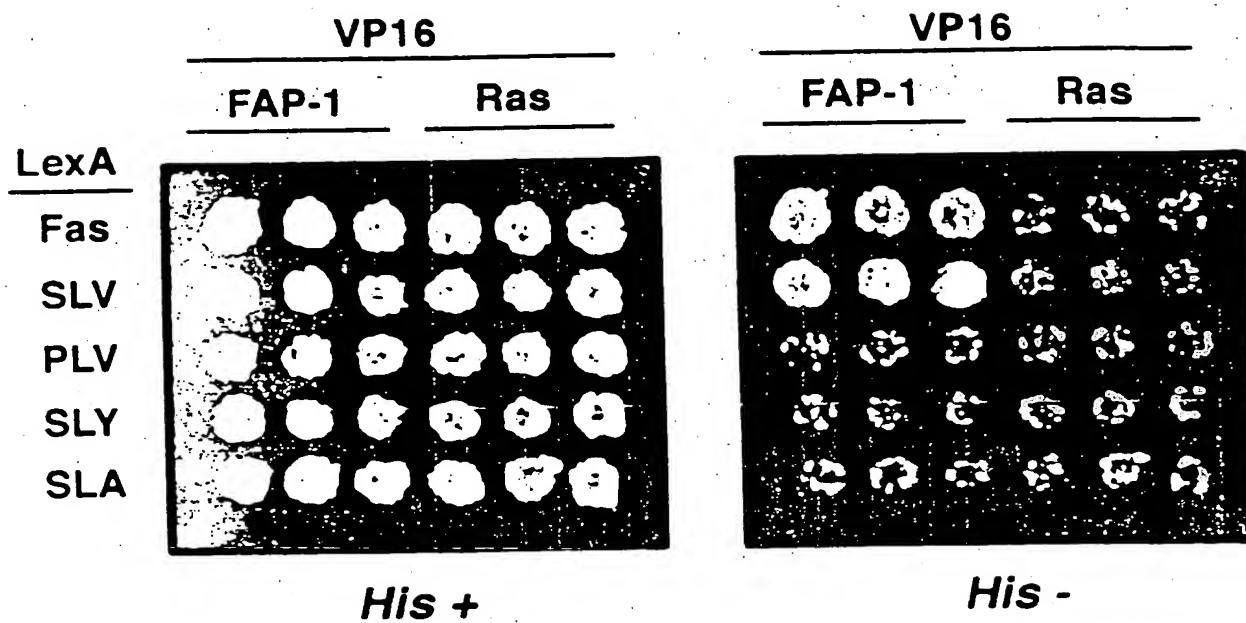




FIG. 4B

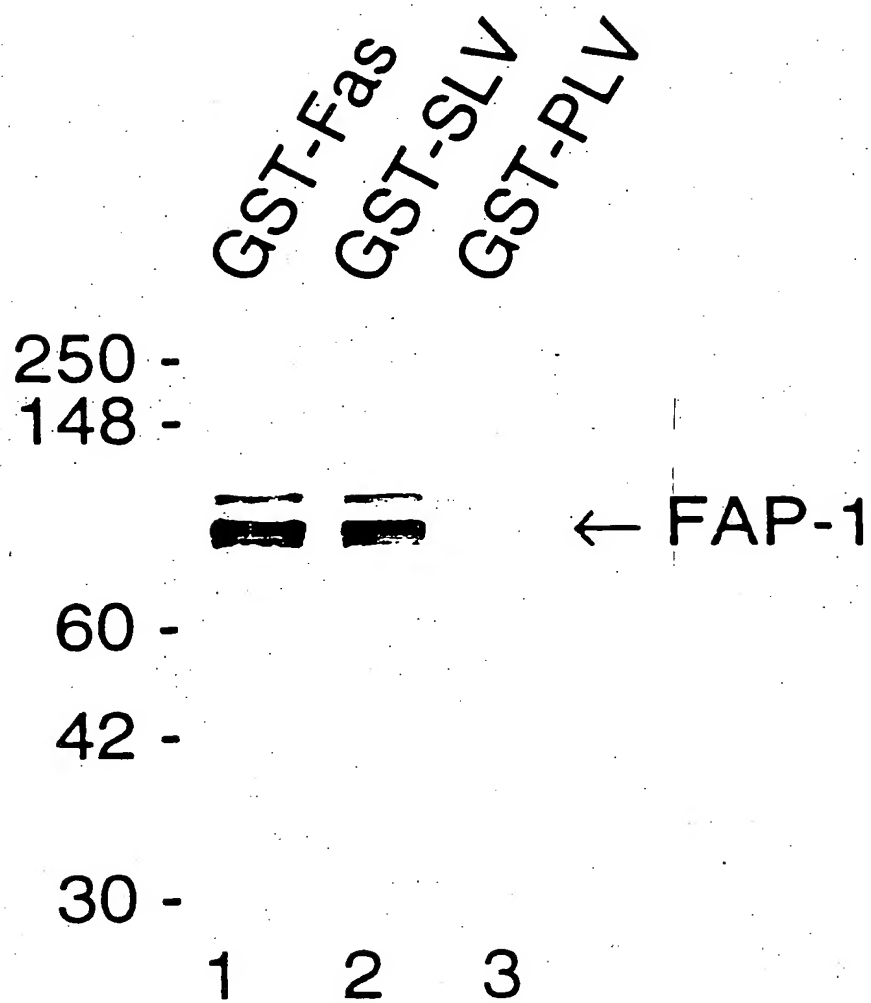


FIG. 4C

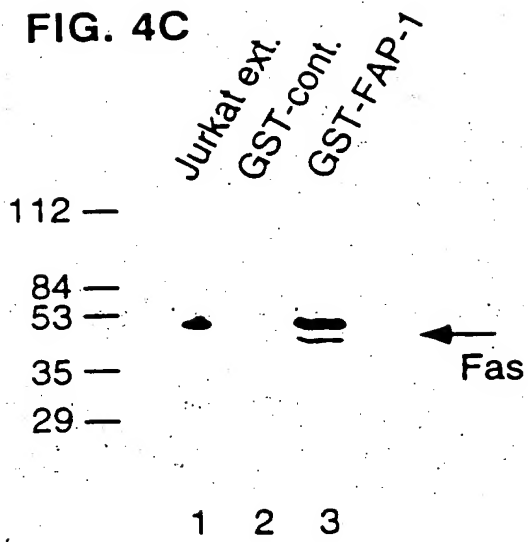


FIG. 4D

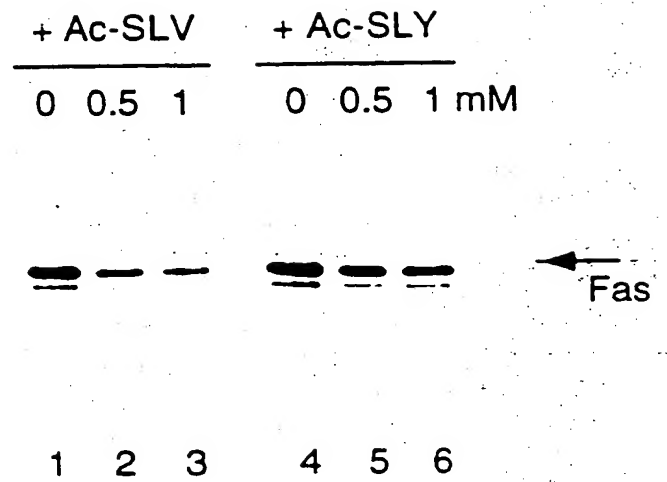


FIG. 5B

Ac-SLY-OH

FIG. 5A

Ac-SLV-OH



FIG. 5D

Ac-SLY-OH

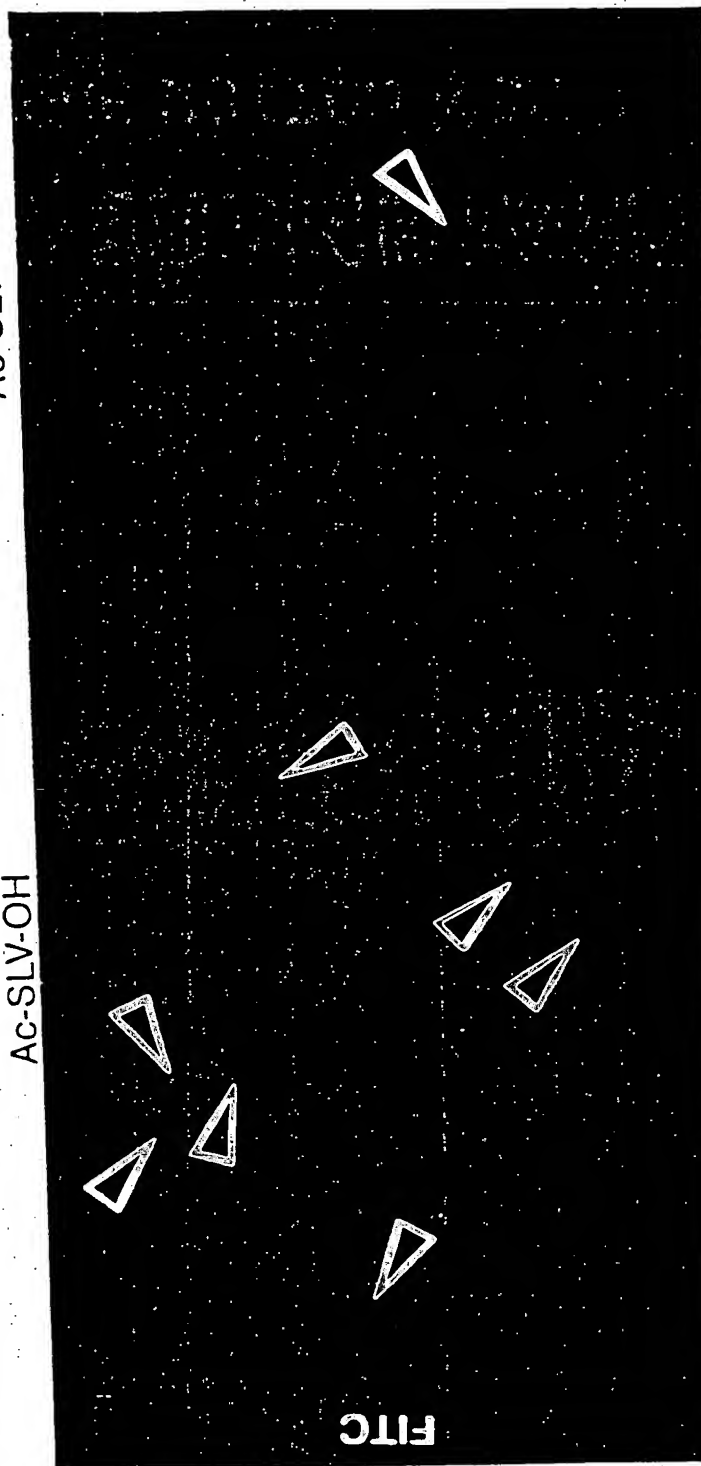


FIG. 5C

Ac-SLV-OH



FIG. 5F  
Ac-SLY-OH

FIG. 5E  
Ac-SLV-OH

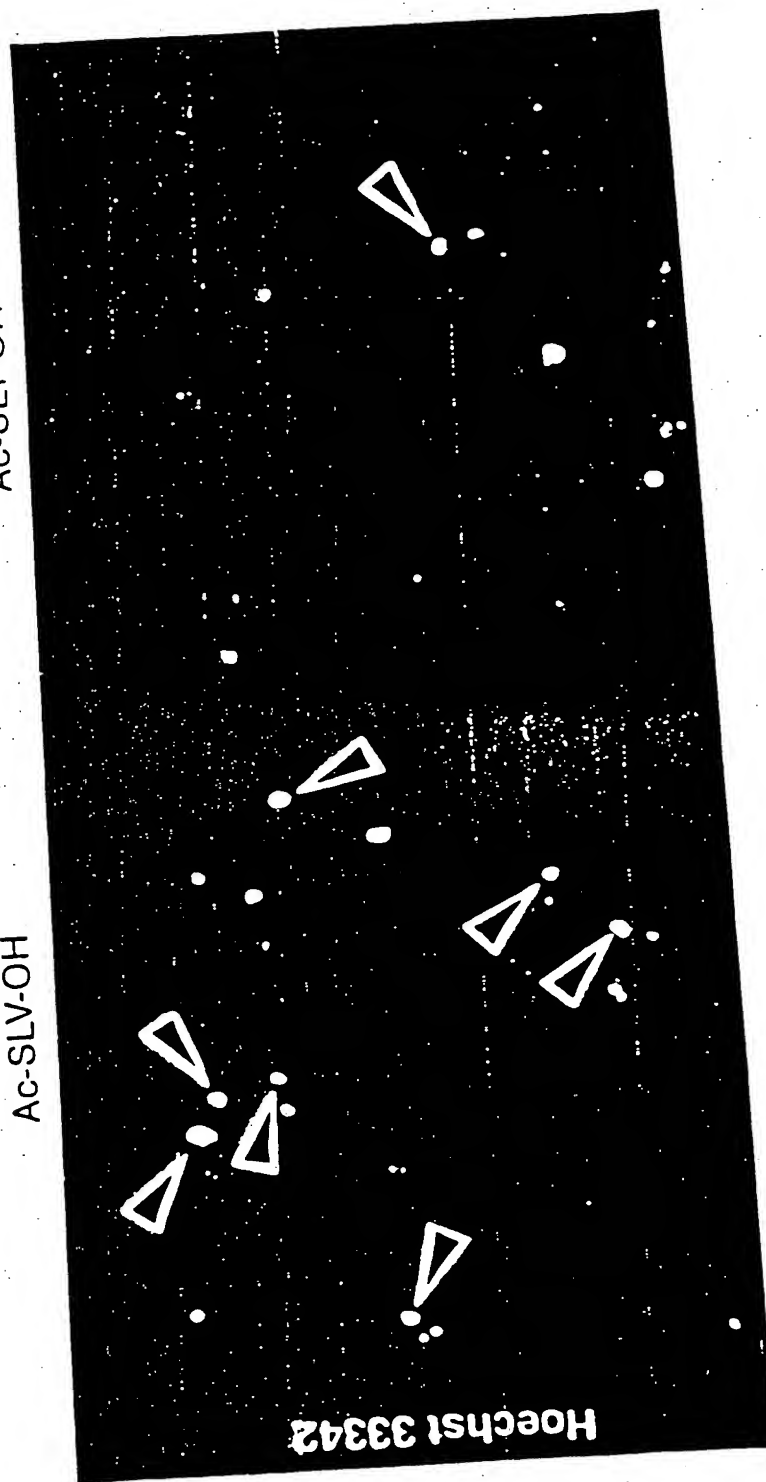


FIG. 6

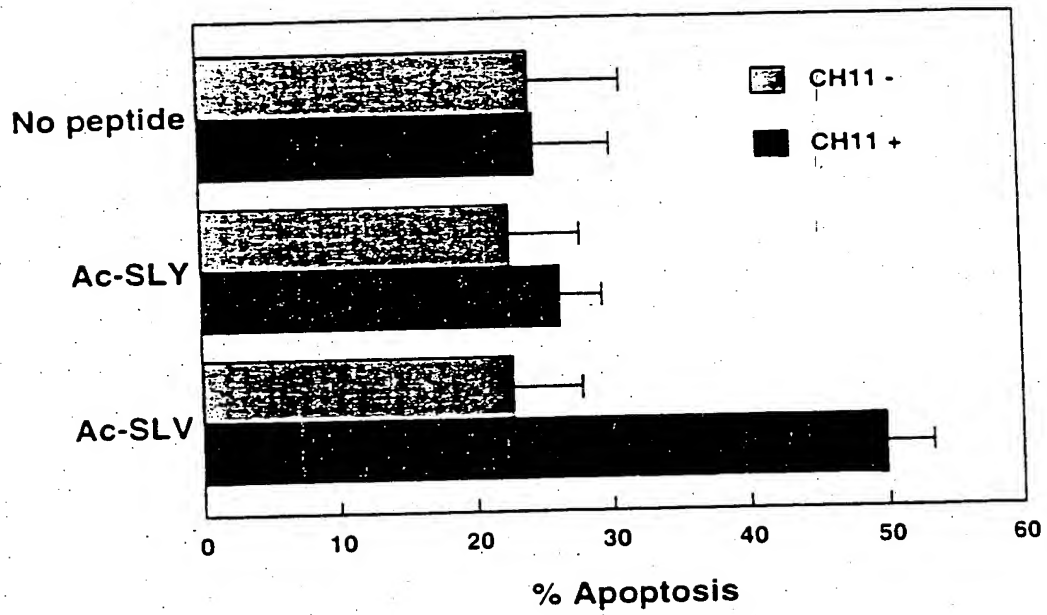


FIG. 7A

## NGF Receptor

1 mgagatgram dgprllllll lgvslggake acptglyths gecckacnlg egvaqpcgan  
 61 qtvcepclds vtfsdvvsat epckpctecv glqmsapcv eaddavcrca ygyyqdettg  
 121 rceacrvicea gsglvfscqd kqntvceecp dgtydeanh vdpclpctvc edterqlrec  
 181 trwadaecee ipgrwitrst ppegdstap stqepeappe qdliastvag vvtvmgssq  
 241 pvttrgttdn lipvycsila avvglvayi afkrwnsckq nkqgansrpv nqtppegek  
 301 lhsdsgisvd sqslhdqqph tqtasgqalk gdgglysslp pakreevekl lngsagdtwr  
 361 hlageelgyqp ehidsfthea cpvrallasw atqdsatlda llaalrriqr adlveslcse  
 421 statspv

FIG. 7B

## CD4 Receptor

1 mnrgvpfrhl llvlqlallp aatqgkvvl gkkgdtvelt ctasqkksiq fhwknsnqik  
 61 ilgnqgsflt kgpsklndra dsrrslwdqg nfpliiknlk iedsdyice vedqkeevql  
 121 lvfgltansd thllqqsalt ltlesppgss psvqcrsprg kniqgkttls vsqlelqdsq  
 181 twtctvlqng kkvefkidiv vlafqkassi vykkegeqve fsfplafte kltsggelww  
 241 qaerassks witfdlknke vsvkrvtqdp klqmgkklpl hltlpqalp qagsnltla  
 301 leaktgklhq evnlvmrat qlqnltecv wgptspklml slklenkeak vskrekavvw  
 361 lnpeagmwqc llsdsgqvl1 esnikvlptw stpvqpmali vlvgvaglll figlgiffcv  
 421 rcrhrrrqae rmsqikrlls ektccqcp hr fqktcspi

FIG. 7C

Species	C-terminal sequences of NGFR (p75)	Binding activity of FAP-1
Human	SESTATSPV-COOH	+
Rat	SESTATSPV-COOH	+
Chicken	SESTATSPV-COOH	+



FIG. 7D

1 mnsqvmkyg ndsaaelsel hsaalaslkq divolnkrllq qtererdlle kklakaqcoq  
 61 shlmrehedv qerttlryee ritehsvia elnkkidrlq gttireedey selrselsqs  
 121 qhevnedrs mdqdqtsvsi penqetmvt hcdlaiktve eiegvlgrdl ypnlaeersr wekelagire  
 181 csisvaevdr hieqlttase skœelnrtk atnnaireer drlrrrvrel qtrlqsvqat gpspgrits  
 241 enesltamc skœelnrtk atnnaireer drlrrrvrel qtrlqsvqat gpspgrits  
 301 tnrpinpstg elstssssnd ipiakiaerv klsktrssss sdrpvlgsse issigvsssv  
 361 aehiahsldq csniqeifqt lyshgsalse skirefevet ørlnsriehl ksqndlltit  
 421 leecksnaer mmlvgkyœœ natalrlalq yseqcieaye lllalaeœœ slilgçfraa  
 481 gvgsepgdqs gdenitqmlk rahdcrktae naakallnkl dgscggafav agcsvqpœœ  
 541 lssnshtstt sstasscdœœ ftkœdegrlk dyiqqlkndr aavkltnlel œsihidplsy  
 601 dvkprgdsqr ldlenavlmq elnamkeema ølkaqlylle kekkalelkl streaqœœay  
 661 lvhiehlkœœ vœeqkœgrmr slsstssgsk dkpgkecada aspalselael rttsœœenela  
 721 œeftnaïrre kklkarvœœel vsalerltks œairhqœœsœ fvnclkrans nlvaayekak  
 781 kkhqmklikl esqmmamver hetqvmlkq riallœœœs rphctnetal

FIG. 7E

```

1  madvfpgnds  tasqvanrf  arkgalrqkn  vhevkdhkfl  arffkqptfc  shctdfiwgf
61  gkggfcqvc  cfvvhkrcne  fvtfscpgad  kgpdtdprs  khkfkhtyg  sptfcdhcg
121 llyglihqgm  kcdtcdmnh  kqcvlnvpsl  cgmthtckrg  riykaevad  eklhvtvrda
181 knlipmdpng  lsdpyvklkl  ipdpkneskq  ktktrstln  pqwnesftfk  lkpsdkdrri
241 sveiwdwdr  trndfngsls  fgvsølmkmp  asgwykllnq  eegeyyynvp  pegdeegnme
301 lrqkfekakl  gpagnkvisp  sedrkqpsnn  ldrvkltdfn  flmvlkggsf  gkvmladrkg
361 teelyaakll  kkdvvqiqdd  vectmvekrv  lalldkppfl  tqlhscfqtv  drlyfvmeyv
421 nggdlmyhiq  qvgkfkepqa  vfyaaelsig  lfflhkrgii  yrdlklndnm  ldseghikia
481 dfgmckeuhm  dgttrtfcg  tpdyaapeii  ayqpygksvd  wwaygvllye  mlagqppfdg
541 ededelfqsi  mehnvsypks  lskeavslck  glmtkbpakr  lgcgpegerd  vrehaffrri
601 dweklenrei  qppfkpkvcg  kgaenfdkff  trgqpvltp  dqlvianidq  sdfegfsyvn
661 pqfvhpllqa AY

```

FIG. 7F

1 m d i l c e o n t s l e s t u n s l m q l n d d t r l y s n d f n s g e a n t s d a f n w t v d s e n r t a l s c e g c  
 61 l s p s c l s l l h l q e k n w s a l l t a v w i l t i a g n i l v i m a v s l e k k l q n a t n y f l m s l a i a d  
 121 m l l g f l v m p v s m l t i l y g y r w p l p s k l c a v w i y l d v l f s t a s i m h l c a i s i d r y v a i q n p  
 181 i h n s r f n s r t k a f l k i i a v w t i s v g i s m p l p v f q l q d d e k v f k e g s c l l a d d n f v l i g s f  
 241 v s f f p l t i m v i t y f l t i k s l q k e a t l c v s d l g t r a k l a s f s f l p q e s l s s e k l f q r s i h  
 301 r e p g a y t g r r t m q s i s n e q k a c k v l g i v f f l f v m w e p f f i t r i t a v i c k e s c n e d v i g a  
 361 l n v f w i g y l s s a v n p l v y t l f n k t y r s a f s r y i q c q y k e n k p l q l i l v n t i p a l a y k  
 421 s e q l m g g k k n s k q d a k t t d n d c s m v a l g k q h s e e a s k d n s d g v n e k v a a y

FIG. 7G

1 malsyrvsel qstipehiliq stfivhvissn wsglqtesip eonkqiveeq gnklhwaall  
 61 ilmviptig gntlvllavs lekklqyath yflmelavad llvglfvmpi alltimfeam  
 121 wplplvlcpa wlfldvlfst asimhlcais vdryiaikkp iqanqynsra tafikitvww  
 181 llsiglaipv pikgiøtdvd npnnitcvlt kerfgdmlz gslaafitpl aimivtyflt  
 241 ihalqkkayl vknkppqrilt wltvstvfqr detpcsspek vamlgdgrkd kalpnsgdet  
 301 lmrststiqk ksvqtieneg raskvlgive flflmwcpf fitnltvlc dscnqttlqm  
 361 lleifwigy vssgvnplvy tlfnktrda fgyitcmvr ackvktlrk rsakiyfrnp  
 421 maenskfkk hginnginpa myqspmlrs stlgssii: idtllltene gdkreøqvay  
 481 y

FIG. 7H

```

1 maaaaydqll: kqvealkmen snlrgeledr snhltklete asnnkevlkq lqgsiedeam
61 assggidlle rikelnldss nfpgvklrsk ms:tsygare gsvssrsgec apvpngsfpr
121 rgfvngsres tgyleeeleka rsliladldk eekekdwyya qlqltkrid slpltanfsi
181 qtdmtrrqle yearqirvan eeqigtccqm ekraqrriar lqglekdilr irqlisqa:
241 eaeressqkh e:gsghdaerq negggvgein natagngqgs ttrmdnetas vlssssthsa
301 prrltshlgt kvemvyslis mlgthdkddm srltiamss qdiscismrgs gelpiliqli
361 hgnkdksvli gnsrgskear arasaalhni lhsqddkrg rreirvibli eqiraycstc
421 wewqeahepg ndqdkmpmpa pvehqicpav cvlnklsfde ehzhannalg glqaiaelig
481 vdcemygltn dhysitlrry agmaltnltf gdvankatic snkgcmraiv aqlksesedi
541 qqviasvlrn lswradvnsk ktlrevgsvk almealevk kestlksvls alwnlsahc:
601 enkadicavd galafivgti tyrsqntla iiesgggilr nvssliatne dhrqilrenn
661 clqtllqhlk shsiltivsna cgtlwnlsar npkdqaalwd ngavsmkxnl ihskhcmian
721 gsaaaalrnlm anrpakykda nltspgsslp slhvrkqkal eaeldaqlis etfdnidnls
781 pkashrskdr hkqsllygdyv fdtnrhddnr sdnfntgrnt vlspylnttv lpsssssrqs
841 ldsrsekdrr slerergigl gnyhpatenp gtsckrglqi sttaaqiakv neevsaihts
901 qedrsgstt elhcvtdern alrrssaahh hsnrtnftks ansnrtccmp yakleykrss
961 ndslnsvsss dgygkrqgnk psiesysedd eekfcsgygy padlahkihs anbmddndge
1021 ldtprmyslk ysdeqlnsgr qspesqnerwa rpkhliledel kqseqrqrn qsttyrvyte
1081 stddkhkfkf phfgqqecvs pyrsrgangs etnrvgsnng inqrvsqslc qdddyeddkp
1141 tnyseryseee eqheeeeerp: nysikyneek rhvdqpidys lkyatdipss qkqsfssks
1201 ssgqsskteh mssssentst pssnakrqnq lhpssaqsrs gqpqkaatck vssingetiq
1261 tyrvedtpic fsrccslasi ssaedeigcn qttgeadsan tlgiaelkek lgrtsaedpv
1321 sevpavsqhp rtkssrlqgs slssesarhk avefssgaks paksgaqtpr sppehyvqet
1381 plmfartctsv ssldsfehrs lassvqsepc sgmvsqilsp sdipdsppgt mppsrsktpp
1441 pppqtaqtcr evpkrikapta ekresgpkqa avnaavqrvg vlpdadtlh fatestpdgf
1501 scssslsals ldepfiqkdv elrimppvqe ndngnetase qpkessenqe keaektidse
1561 kdildddddd dieileeci: samptkssrk akkpaqtask lpppvarkps qlpvyklips
1621 qarlpqpkhv sftpgdamp vycvegtpin fstatsladi tiesppnela agegvrsgaq
1681 sgfekrdrti ptegrstdea qggktsavti peidcnkaee gdilaecins ampkghkhp
1741 frvkkindqv qqasasssap nknqldgkkl ktpspvkpqp qnteytrvr knadsknnln
1801 aervfsdnkd skkqnlknns kdindklpna edrvrgsfaf dsphhytpie gtpyefsrnd
1861 slsldfddd dvdlisrekae lrkakenkes eakvtshte: tenqqsankt qalakkpinr
1921 gqpkpilqkq stfpqsskdi pdrgaatdek lqnfaiientp vcfshnssls slsldidqenn
1981 nkenepiket eppdsqgpe kpqasgyapk sfhviedtpvc fsrnssslssi sidseddllq
2041 ecissampkk kkprrlkqdn ekhsprnng ilgeditldi kdigtpdseh glspdsenfd
2101 wkalgagans ivsslhqaaa aacisrqass dsdsilelks gis'gspfh: tpdqeeqoft
2161 ankpprilkp gekstletkk ioseskgikg gkkvykslit gkvrnsels ggmkkpqlan
2221 mpsisrgtm ihlpgvrnss sstspvskkg pplktpasks psegqtatts prgakpsvks
2281 elapvarqts qiggsskaps rsgsrdstps rpaqqplsrp iqspgrmsis pgrngisppn
2341 klsqlprtss pstastkssg sgkmsytspg rqsqqnltk qtglsknass lprsesaskg
2401 lnpnnngnga nkkvelsrms stkssgsesd rserpvlvrg stfikeapap clrrkleesa
2461 efeslapesr pasptrsqaq tpvlspelpd mslsthsavq aggrwklppn leptieyndg
2521 rpakrhdiar shaespsrlp lnrsgtwkre hskhssslpr vstwrtrgss asilsasses
2581 sekaksedek hvnsisgtkq skengysakg twrkikenef spnatsqtv ssgatnzaes
2641 ktliygmapa vsktedvvr ldedpinnpr sgrsptgntp pvidsvseka npnikdskdn
2701 qaknvgngs vpartvglen rlnsfiqvda pdqkgteikp gqnapvovse tnessivert
2761 pfsssssskh sspsgtvaar vtpfnynpnp rkssadstsa rpsqiptpvn nntkkrdskt
2821 dstessgtqs pkrhsgsyiv EX

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FIG. 8

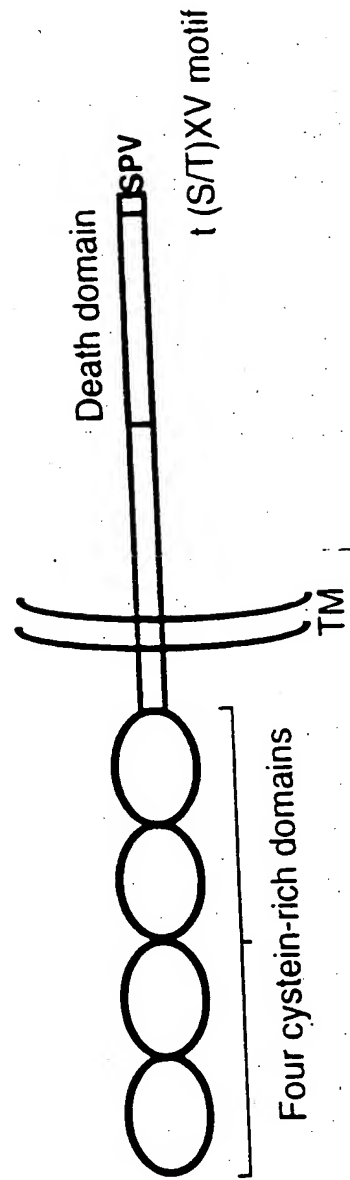
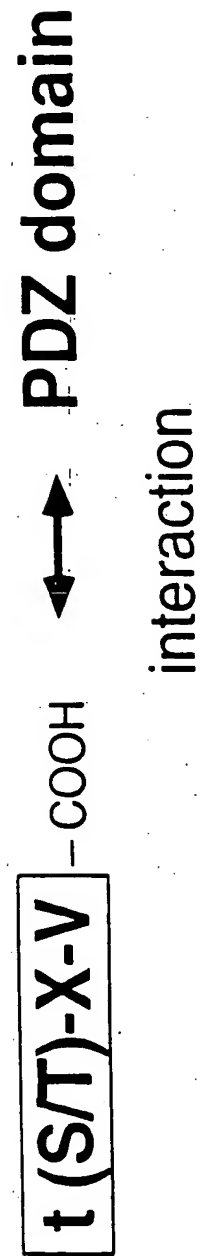
**p75<sup>NGFR</sup>****(Low-affinity nerve growth factor receptor)**

FIG. 9

	C-terminal amino acid sequence
Fas	NEIQSLV
p75NGFR	STATSPV







**FIG. 11A**  
**FAP-1 binds to C-terminal three amino acids SPV of p75NGFR.**

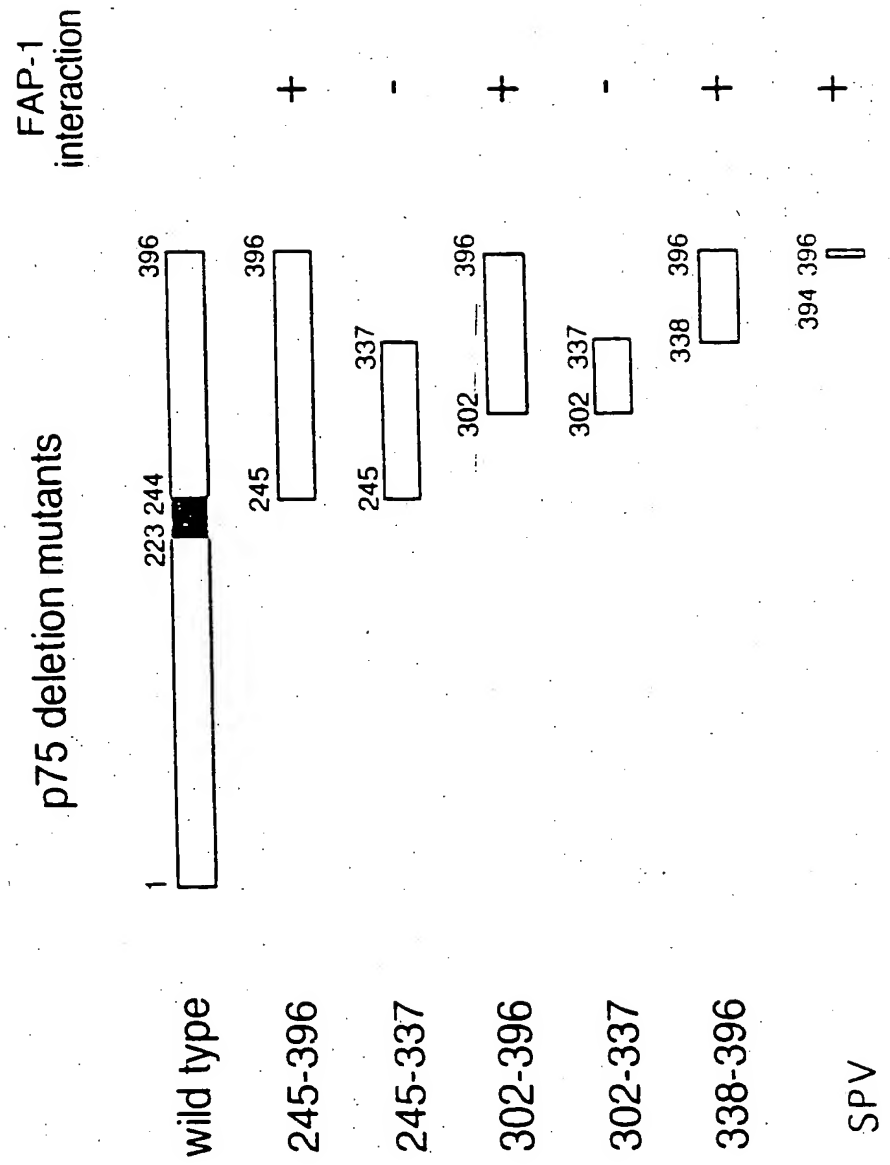


FIG. 11B

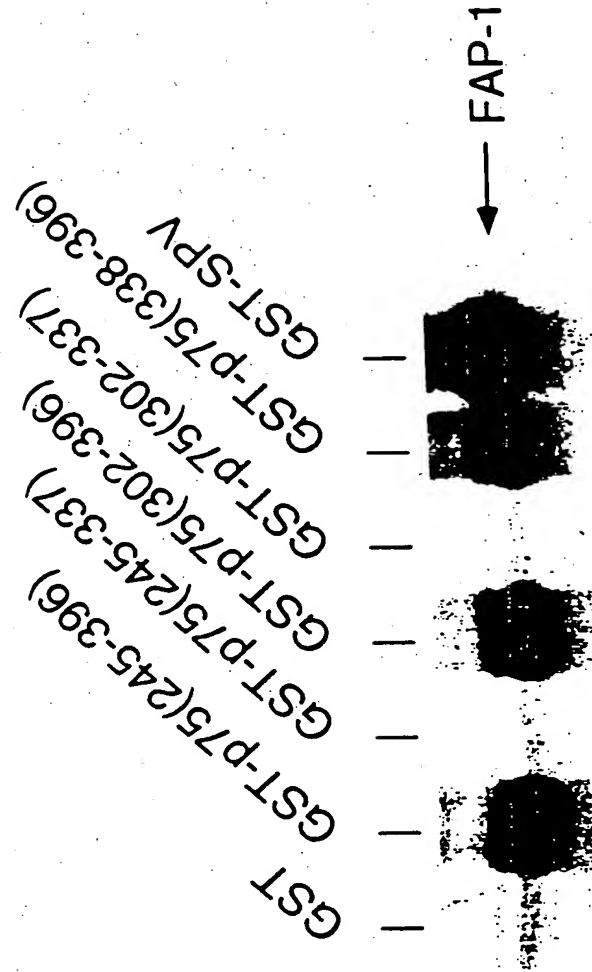
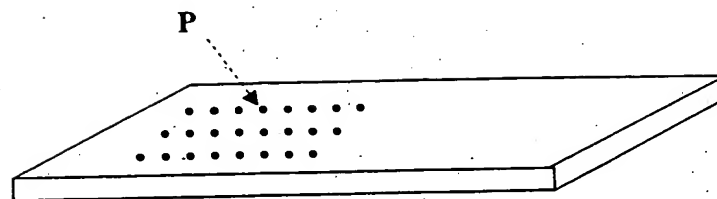


FIG. 12

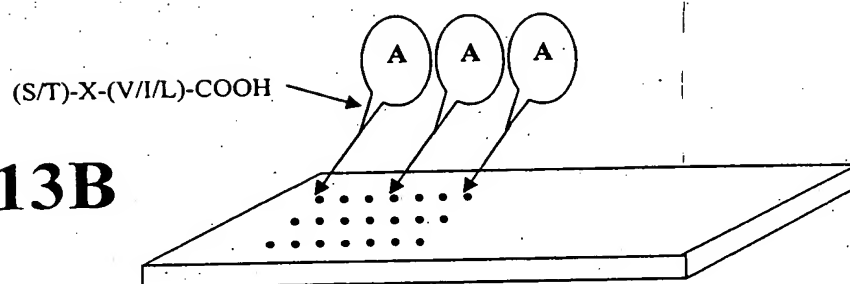
**FAP-1 binds to p75NGFR C-terminal cytoplasmic region in yeast.**

	VP16-FAP-1	VP16-cRaf
LexA-p75NGFR(338-396)	+	-
LexA-p75NGFR(365-396)	+	-
LexA-Fas	++	-
LexA-Ras <sup>V12</sup>	-	+
LexA-Lamin	-	-

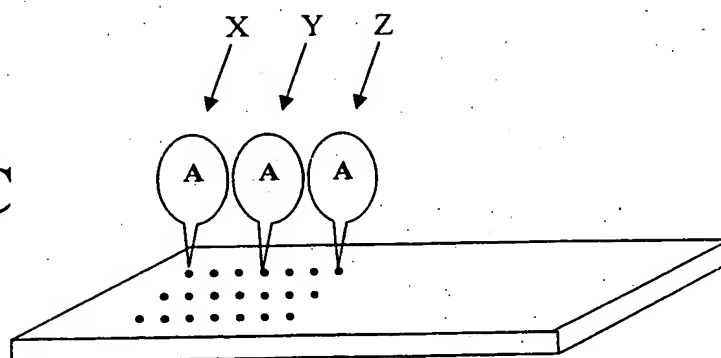
**FIG. 13A**



**FIG. 13B**

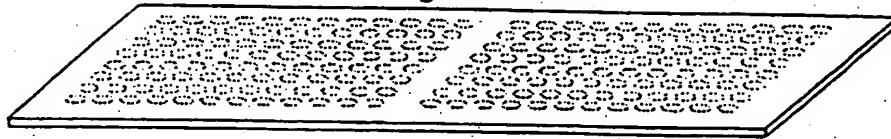


**FIG. 13C**



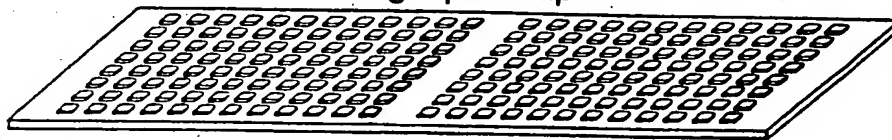
**FIG. 14A**

Plain-glass slide



**FIG. 14B**

3D gel pad chip



**FIG. 14C**

Microwell chip

